

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120315\  
 Data File : BG019900.D  
 Acq On : 4 Dec 2015 10:15  
 Operator : UM/NP  
 Sample : G4609-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CF-2

Quant Time: Dec 04 11:57:22 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

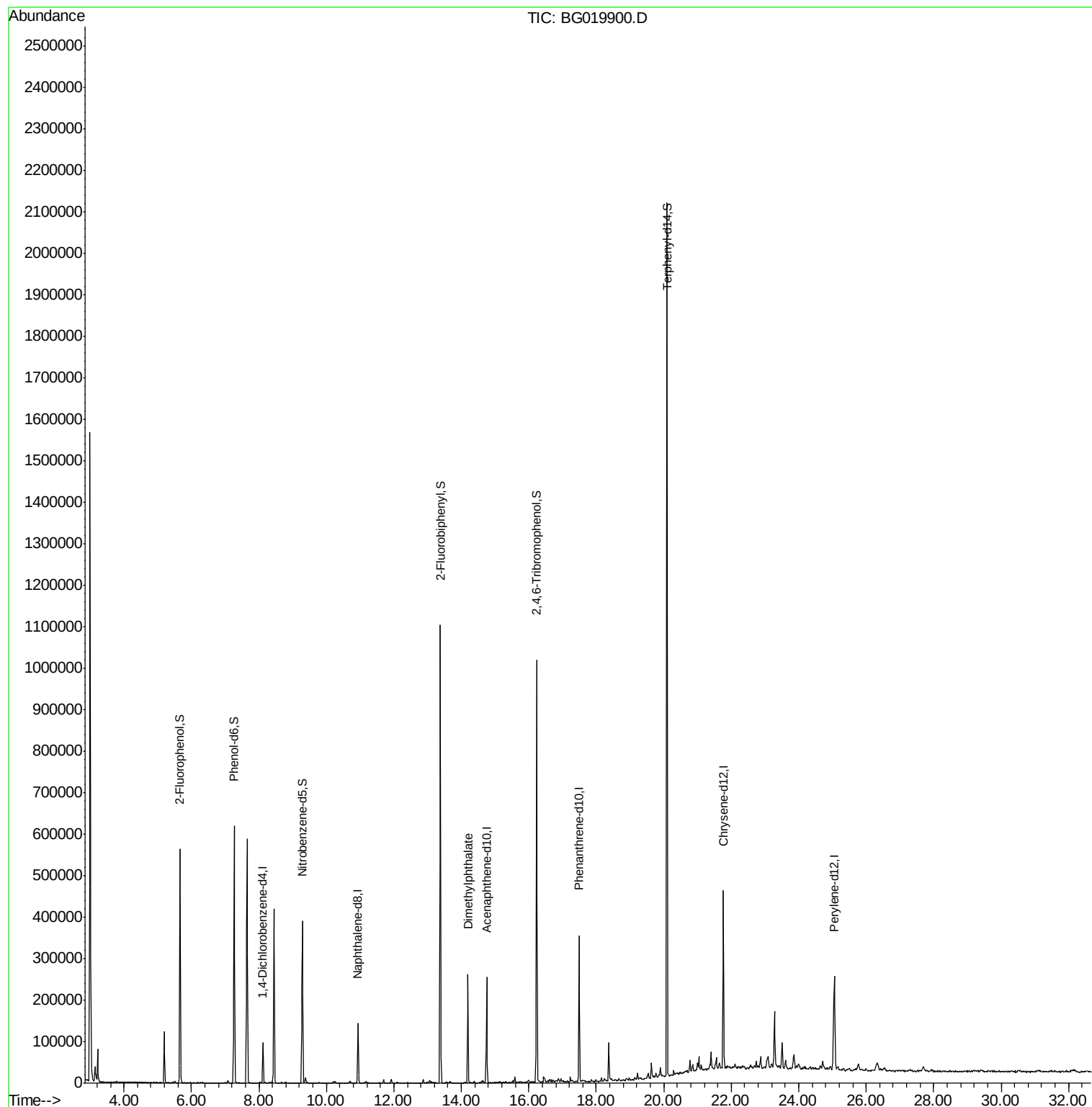
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 25428    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.94 | 136  | 114608   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 85697    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 214256   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.77 | 240  | 252291   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.05 | 264  | 244255   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 224446   | 159.53 | ng    | 0.00     |
| 7) Phenol-d6                | 7.26  | 99   | 342032   | 161.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 229139   | 102.04 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 174444   | 133.04 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 545898   | 86.98  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.10 | 244  | 915239   | 88.49  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.20 | 163  | 167712   | 21.76  | ng    | 98       |

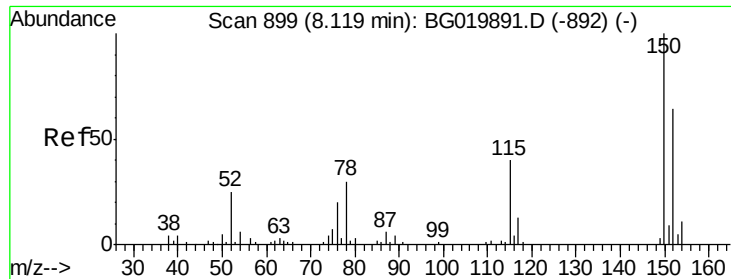
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120315\  
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Sample : G4609-05  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CF-2

Quant Time: Dec 04 11:57:22 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration



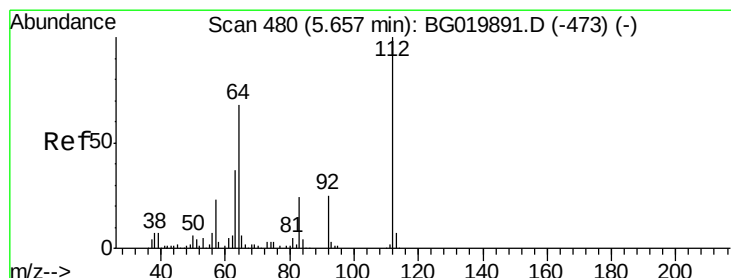
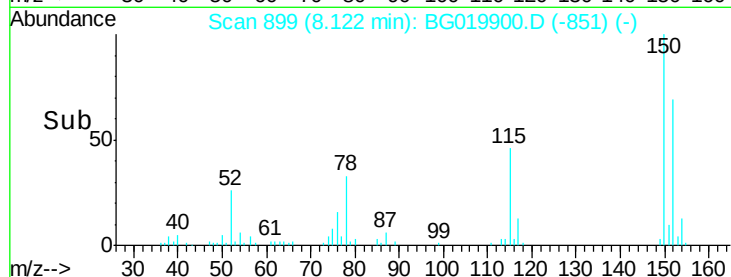
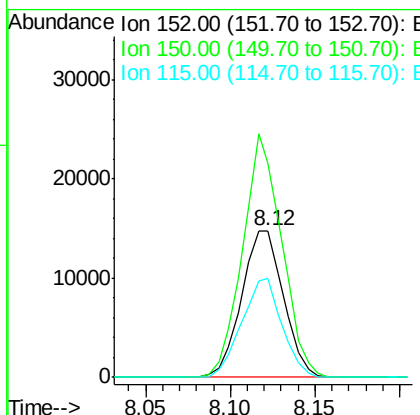
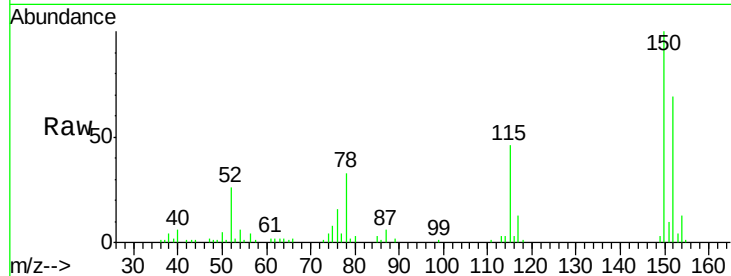


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.12 min Scan# 899  
Delta R.T. -0.02 min  
Lab File: BG019900.D  
Acq: 4 Dec 2015 10:15

Instrument :  
BNA\_G  
ClientSampleId :  
CF-2

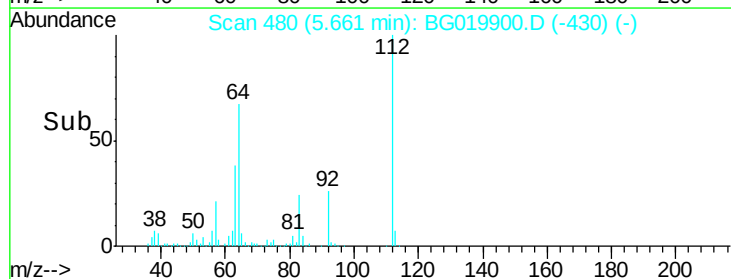
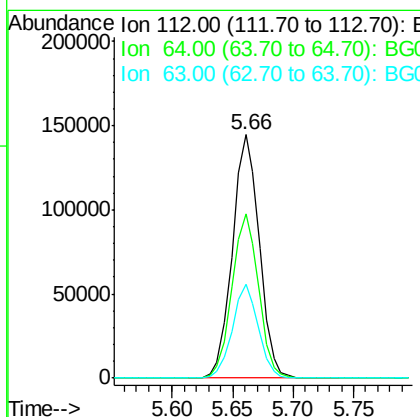
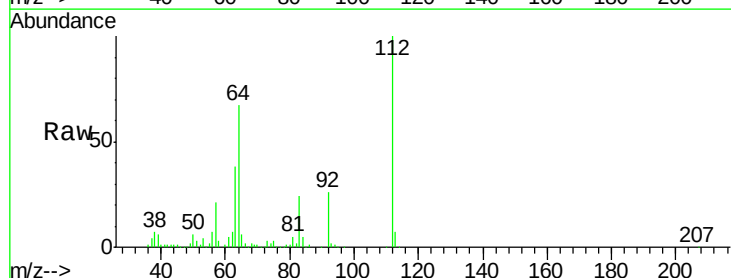
Tot Ion:152 Resp: 25428  
Ion Ratio Lower Upper  
152 100  
150 145.8 115.0 172.4  
115 67.0 43.9 65.9#

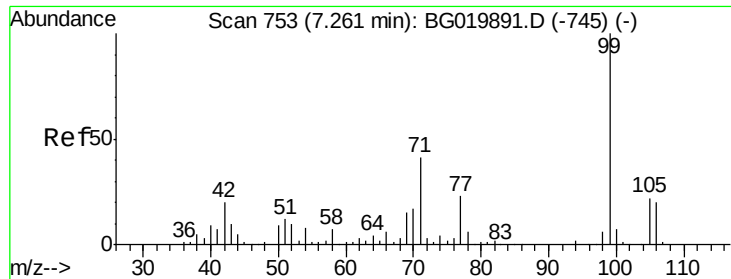


#5

2-Fluorophenol  
Concen: 159.53 ng  
RT: 5.66 min Scan# 480  
Delta R.T. -0.01 min  
Lab File: BG019900.D  
Acq: 4 Dec 2015 10:15

Tgt Ion:112 Resp: 224446  
Ion Ratio Lower Upper  
112 100  
64 67.3 43.7 65.5#  
63 38.4 24.0 36.0#





#7

Phenol-d6

Concen: 161.01 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019900.D

Acq: 4 Dec 2015 10:15

Instrument :

BNA\_G

ClientSampled :

CF-2

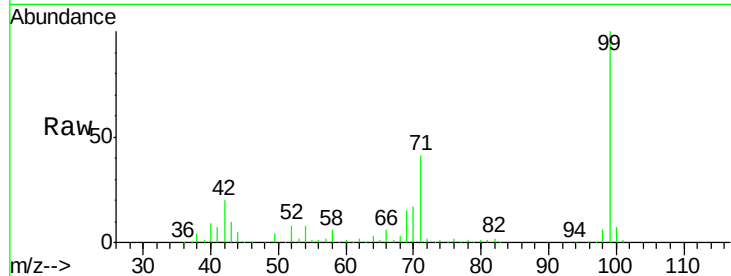
Tot Ion: 99 Resp: 342032

Ion Ratio Lower Upper

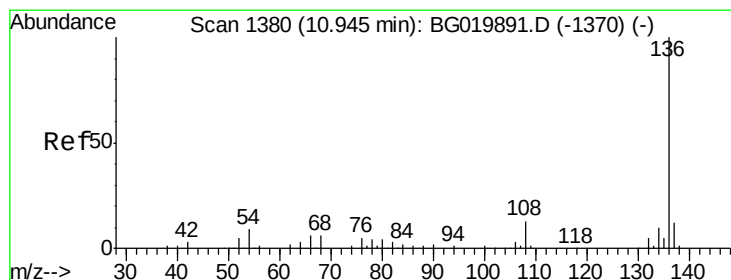
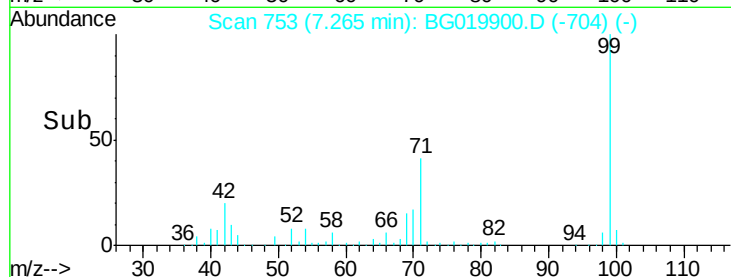
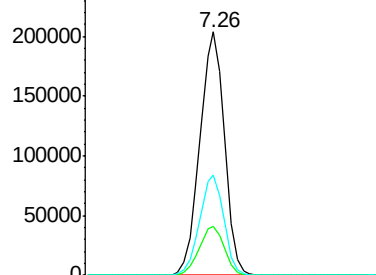
99 100

42 20.2 11.5 17.3#

71 41.4 22.6 34.0#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1378

Delta R.T. -0.02 min

Lab File: BG019900.D

Acq: 4 Dec 2015 10:15

Tgt Ion: 136 Resp: 114608

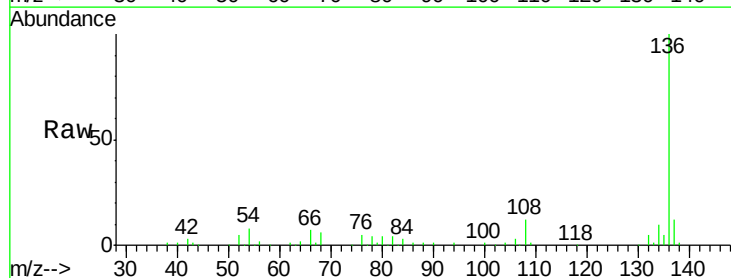
Ion Ratio Lower Upper

136 100

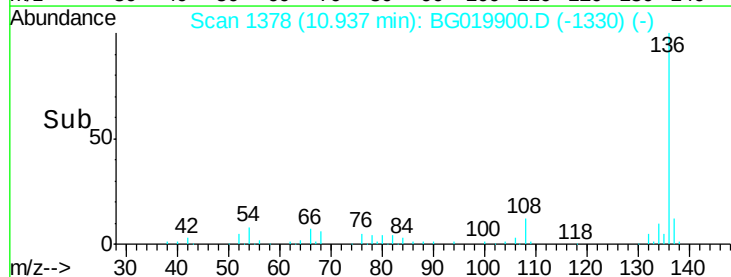
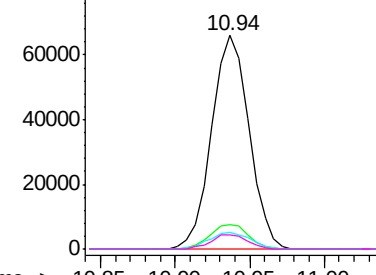
137 11.6 8.6 12.8

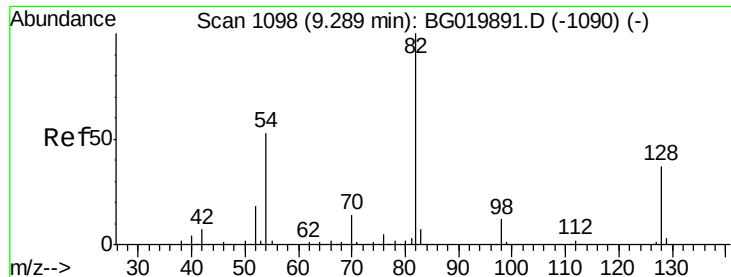
54 8.0 5.4 8.2

68 6.4 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

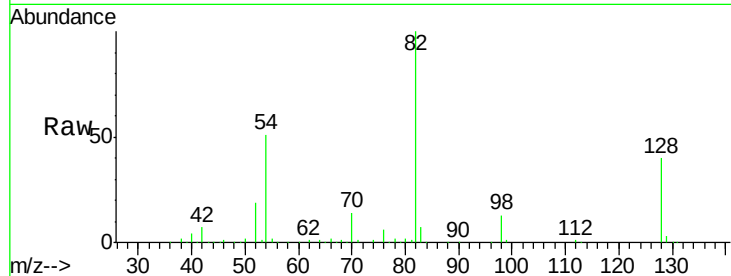




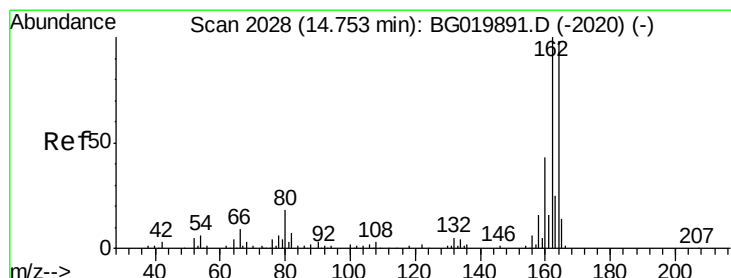
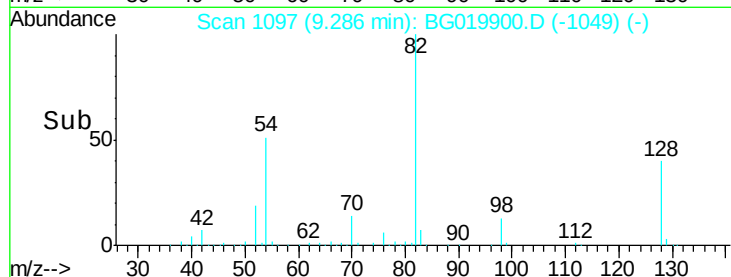
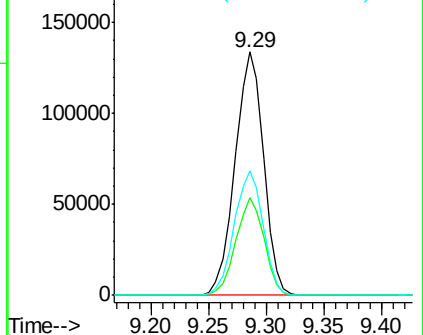
#23  
 Nitrobenzene-d5  
 Concen: 102.04 ng  
 RT: 9.29 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BG019900.D  
 Acq: 4 Dec 2015 10:15

Instrument :  
 BNA\_G  
 ClientSampled :  
 CF-2

Tot Ion: 82 Resp: 229139  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 36.7 55.1  
 54 51.0 33.8 50.8#

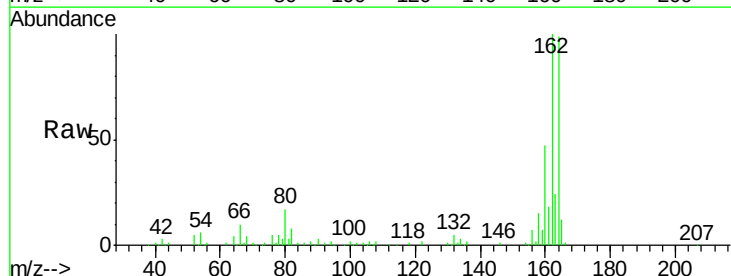


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

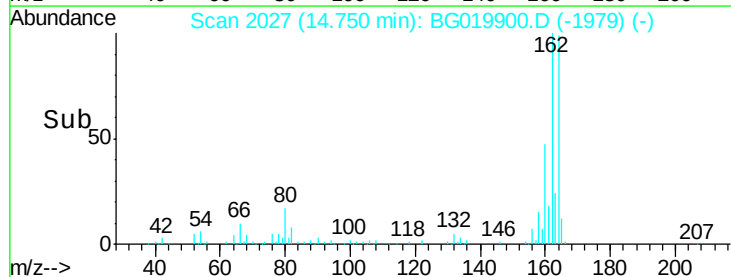
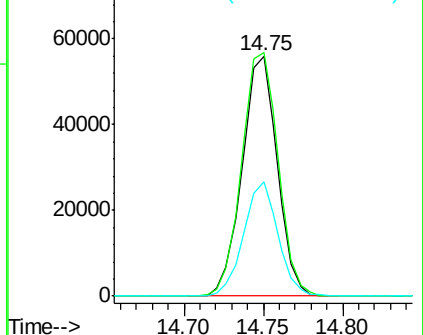


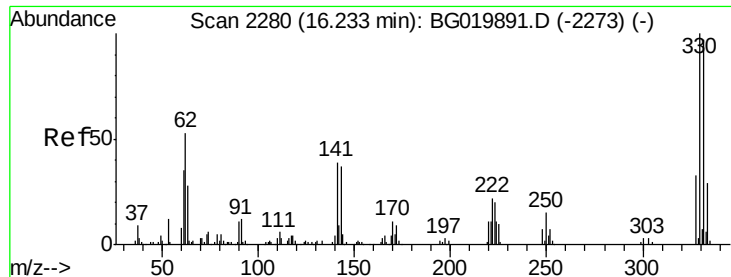
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 2027  
 Delta R.T. -0.02 min  
 Lab File: BG019900.D  
 Acq: 4 Dec 2015 10:15

Tgt Ion:164 Resp: 85697  
 Ion Ratio Lower Upper  
 164 100  
 162 101.5 78.8 118.2  
 160 47.4 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 133.04 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BG019900.D

Acq: 4 Dec 2015 10:15

Instrument :

BNA\_G

ClientSampleId :

CF-2

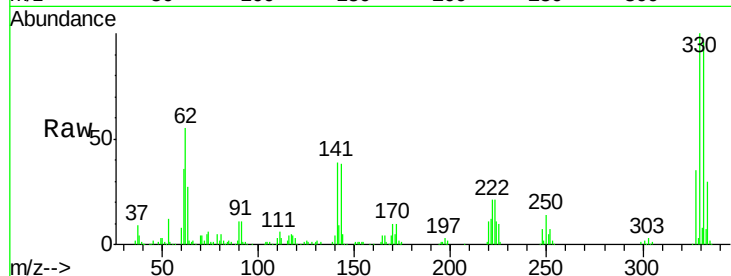
Tot Ion:330 Resp: 174444

Ion Ratio Lower Upper

330 100

332 96.3 78.1 117.1

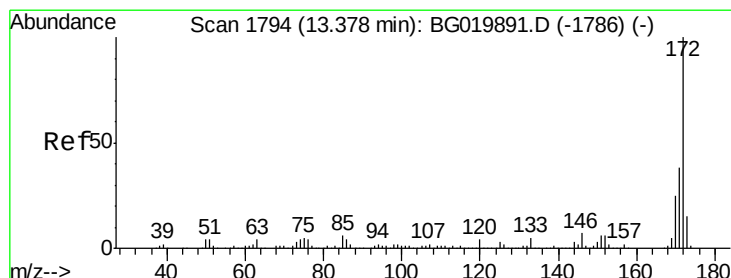
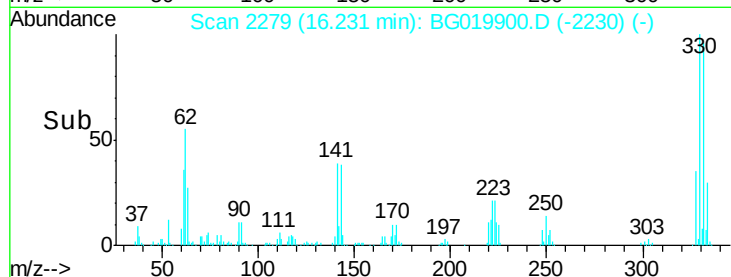
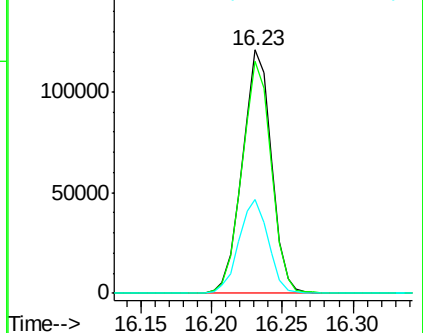
141 38.9 28.2 42.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 86.98 ng

RT: 13.38 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BG019900.D

Acq: 4 Dec 2015 10:15

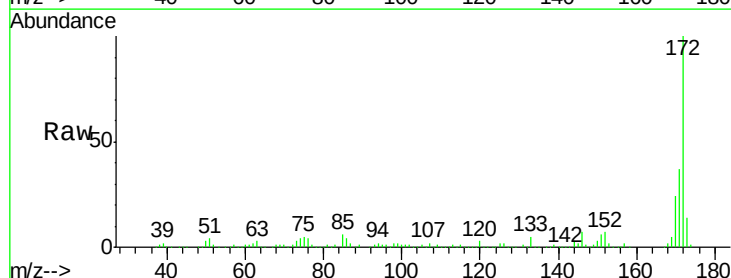
Tgt Ion:172 Resp: 545898

Ion Ratio Lower Upper

172 100

171 37.4 29.0 43.6

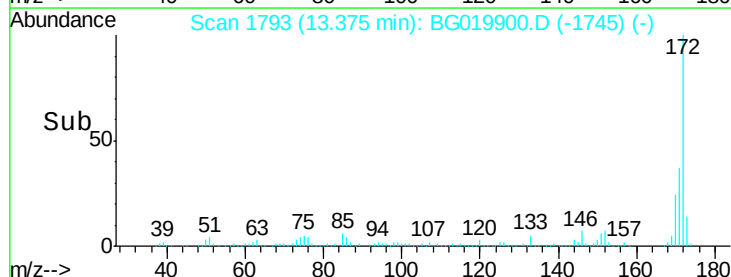
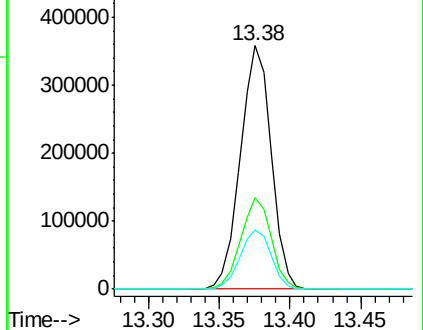
170 24.2 19.9 29.9

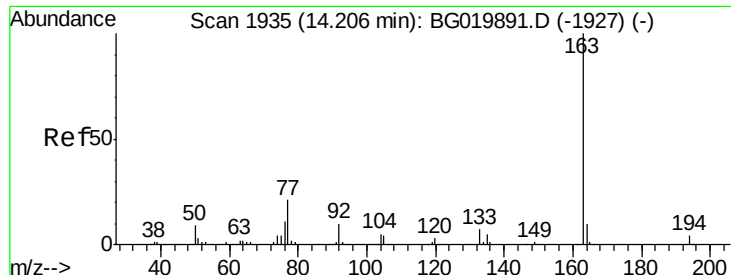


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 21.76 ng

RT: 14.20 min Scan# 1933

Delta R.T. -0.02 min

Lab File: BG019900.D

Acq: 4 Dec 2015 10:15

Instrument :

BNA\_G

ClientSampleId :

CF-2

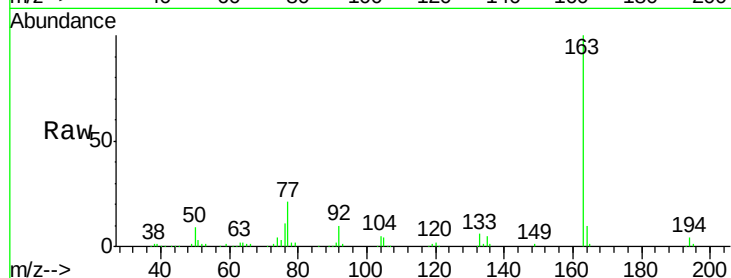
Tot Ion:163 Resp: 167712

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

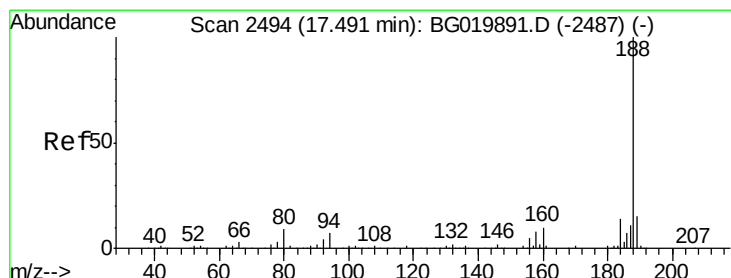
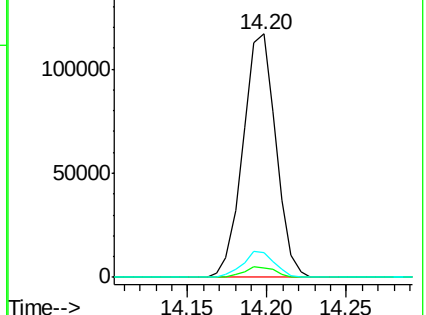
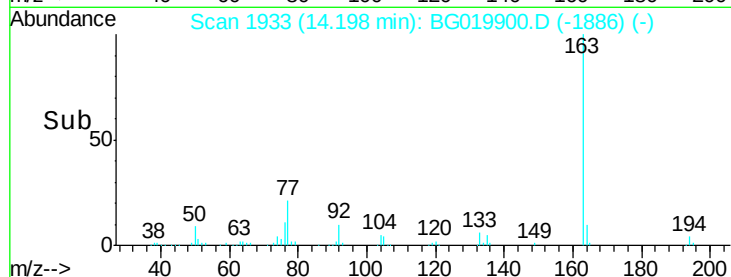
164 10.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BG019900.D

Acq: 4 Dec 2015 10:15

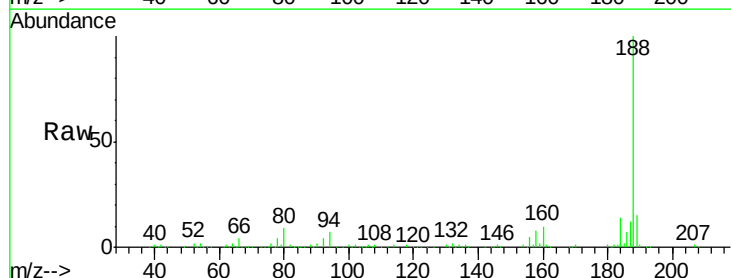
Tgt Ion:188 Resp: 214256

Ion Ratio Lower Upper

188 100

94 7.4 7.7 11.5#

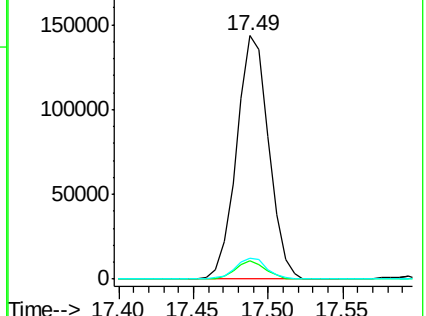
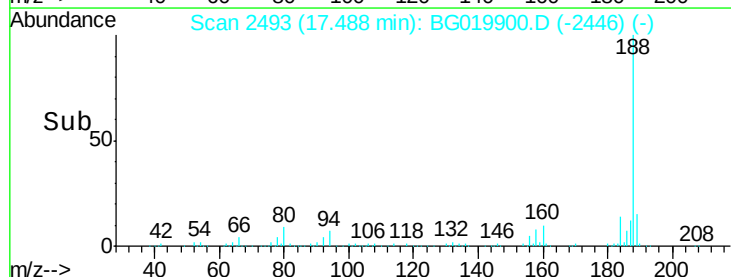
80 8.7 7.8 11.8

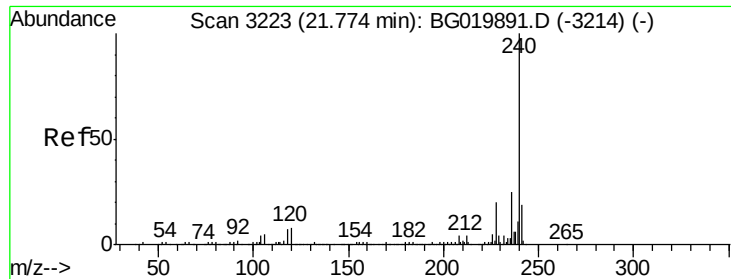


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

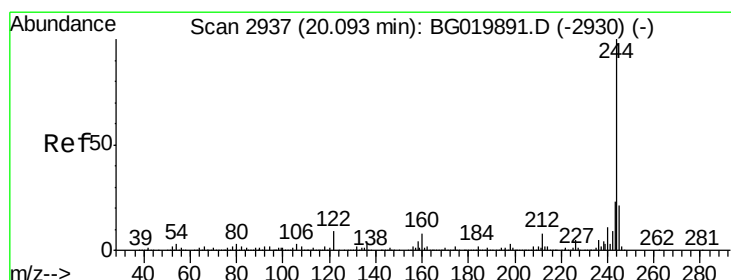
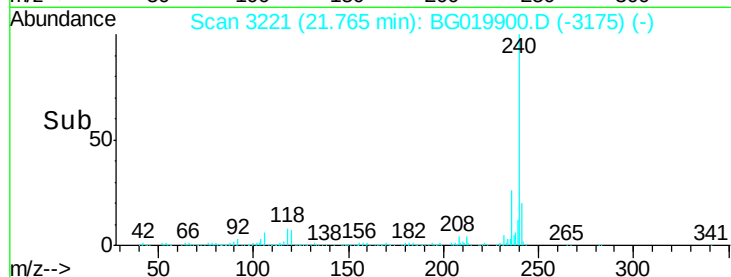
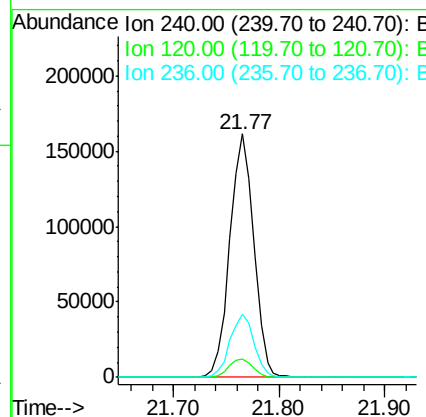
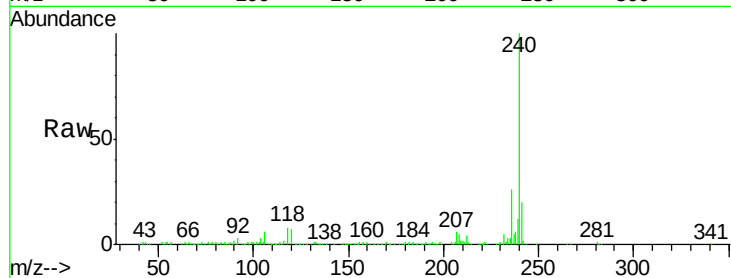




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.77 min Scan# 3221  
Delta R.T. -0.03 min  
Lab File: BG019900.D  
Acq: 4 Dec 2015 10:15

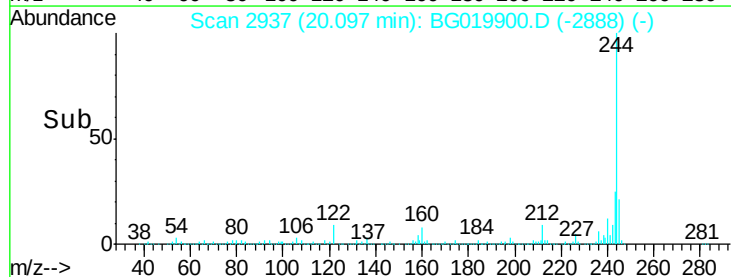
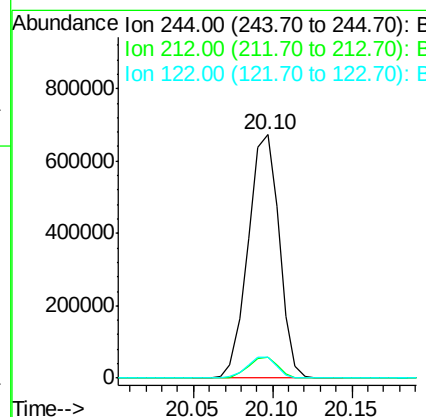
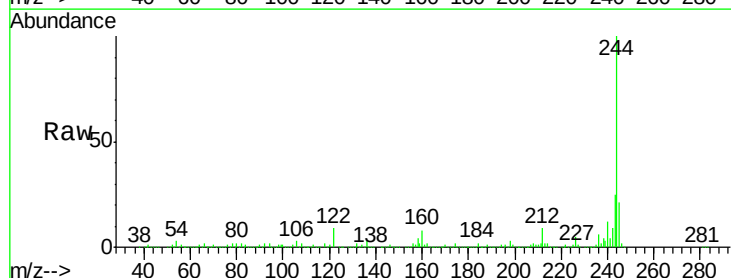
Instrument :  
BNA\_G  
ClientSampleId :  
CF-2

Tot Ion:240 Resp: 252291  
Ion Ratio Lower Upper  
240 100  
120 7.4 7.4 11.0  
236 26.0 20.7 31.1

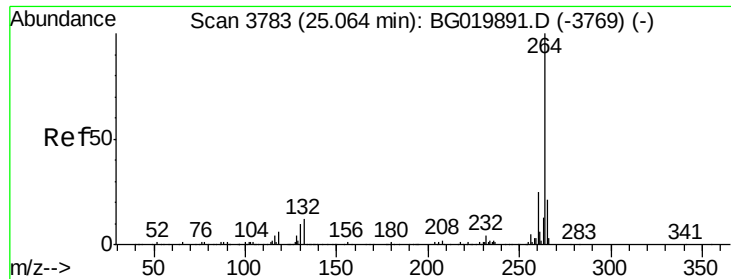


#78  
Terphenyl-d14  
Concen: 88.49 ng  
RT: 20.10 min Scan# 2937  
Delta R.T. -0.01 min  
Lab File: BG019900.D  
Acq: 4 Dec 2015 10:15

Tgt Ion:244 Resp: 915239  
Ion Ratio Lower Upper  
244 100  
212 8.7 6.9 10.3  
122 8.6 10.2 15.2#



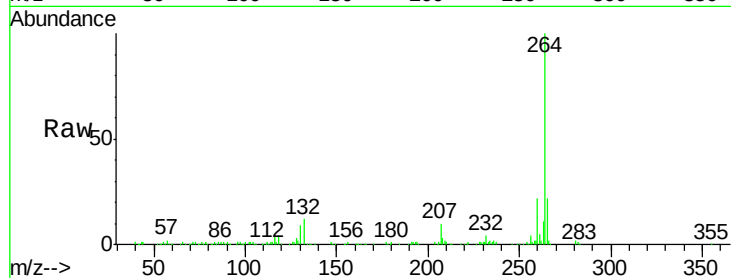




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.05 min Scan# 3780  
Delta R.T. -0.04 min  
Lab File: BG019900.D  
Acq: 4 Dec 2015 10:15

Instrument :  
BNA\_G  
ClientSampleId :  
CF-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 18.5  | 27.7  |
| 265     | 21.5  | 17.2  | 25.8  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

